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1 [Computing curricula 2001](#)

 September 2001 **Journal on Educational Resources in Computing (JERIC)**

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2 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(4.21 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 [Design technologies: Theories and techniques of program understanding](#)

Santanu Paul, Atul Prakash, Erich Buss, John Henshaw

 October 1991 **Proceedings of the 1991 conference of the Centre for Advanced Studies on Collaborative research**

 Full text available: [pdf\(1.28 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


Understanding programs written by others is a difficult task. Most maintenance tasks in software require an understanding of the source code as a first step. Unfortunately, in most cases, the source code of a program is the only reliable documentation of its behavior. As a result, maintainers have to rely heavily on code browsing to acquire the necessary information. This paper surveys the various theories that have been proposed to explain the process of understanding, considers the different t ...

4 [Special issue: AI in engineering](#)

D. Sriram, R. Joobbani

 January 1985 **ACM SIGART Bulletin**, Issue 91

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<u>L2</u>	5175856.pn.	1	<u>L2</u>
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<u>L2</u>	715/762,854.ccls.	724	<u>L2</u>
<u>L1</u>	717/107,104,105,109,112,113,143.ccls.	708	<u>L1</u>

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